

## What is pervious concrete?

- *Conventional* concrete is made by mixing three raw materials – cement, gravel (crushed stone), and sand – with water
- *Pervious* concrete is formed by leaving out some or all of the fine aggregate (fines)
  - The remaining large aggregate is therefore bound by a relatively small amount of cement
  - ***Therefore, pervious concrete contains a network of holes (or voids) that allow air or water to move through the concrete***



## Pervious concrete – drawbacks compared to conventional concrete

- Voids become clogged and must be regularly vacuumed/cleaned
- Lacks strength of conventional concrete (brittle)
- More expensive than conventional concrete
- Difficult to install (curing with plastic sheeting must start immediately after placement and continue for at least six days)
- Lacks the visual appeal even of conventional concrete
  - Rough and bumpy (like popcorn or Rice Krispies)



## TERREWALKS® vs. pervious concrete

	TERREWALKS®	Pervious concrete
Pervious	Yes (between seams; “open grid”)	Yes (through surface)
Immediately usable	Yes	No (six day cure period)
Unbreakable	Yes	No
Permeable base protocol	Yes	Yes
De-clogging required	No	Yes
Low vibration (ADA)	Yes	No, rough texture
Maintainable	Yes	No
Resilient?	Yes	No, hard
Life cycle near tree roots	25+ years	~2 years
Installed cost per sq. ft.	\$9.00 - \$11.00	\$7.00 - \$9.00
Crew needed	2 man crew	4 man crew
Install time	~1,200 sq. ft. / day	Two day min (plus cure period)
Traffic control	Minimal	Same as wet concrete